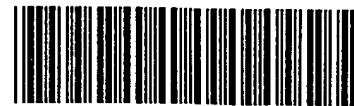# RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: _____ 10/669,920 _____

Source: _____ IFWO _____

Date Processed by STIC: _____ 05/17/2006 _____

# *ENTERED*

IFWO

**RAW SEQUENCE LISTING**          DATE: 05/17/2006
PATENT APPLICATION:  **US/10/669,920**          TIME: 11:14:00

Input Set : **F:\20366-066001.TXT**
Output Set: **N:\CRF4\05172006\J669920.raw**

```
 4 <110> APPLICANT: Morris, David W.
 5        Malandro, Marc S.
 7 <120> TITLE OF INVENTION: NOVEL THERAPEUTIC TARGETS IN CANCER
 9 <130> FILE REFERENCE: 20366-066001
11 <140> CURRENT APPLICATION NUMBER: US 10/669,920
12 <141> CURRENT FILING DATE: 2003-09-23
14 <150> PRIOR APPLICATION NUMBER: US 10/004,113
15 <151> PRIOR FILING DATE: 2001-10-23
17 <150> PRIOR APPLICATION NUMBER: US 10/052,482
18 <151> PRIOR FILING DATE: 2001-11-08
20 <150> PRIOR APPLICATION NUMBER: US 09/997,722
21 <151> PRIOR FILING DATE: 2001-11-30
23 <150> PRIOR APPLICATION NUMBER: US 10/034,650
24 <151> PRIOR FILING DATE: 2001-12-20
26 <150> PRIOR APPLICATION NUMBER: US 10/085,117
27 <151> PRIOR FILING DATE: 2002-02-27
29 <150> PRIOR APPLICATION NUMBER: US 10/087,192
30 <151> PRIOR FILING DATE: 2002-03-01
32 <150> PRIOR APPLICATION NUMBER: US 10/322,281
33 <151> PRIOR FILING DATE: 2002-12-17
35 <150> PRIOR APPLICATION NUMBER: US 10/322,696
36 <151> PRIOR FILING DATE: 2002-12-17
38 <160> NUMBER OF SEQ ID NOS: 1441
40 <170> SOFTWARE: FastSEQ for Windows Version 4.0
42 <210> SEQ ID NO: 1
43 <211> LENGTH: 30908
44 <212> TYPE: DNA
45 <213> ORGANISM: Mus musculus
47 <220> FEATURE:
48 <221> NAME/KEY: misc_feature
49 <222> LOCATION: (1)...(30908)
50 <223> OTHER INFORMATION: n = A,T,C or G
52 <400> SEQUENCE: 1
53 gaaattgggt tccttgttta atgatggtgt cggggaaaga cgtggatggg gagttccatt 60
54 ctcagcccgc tgctactgcc tgtgagcctc ctttgggaaa gtccttaatt tctctagttc 120
55 tgttatttcc tcatctctag aatgggcatc acgacactga tttcacagag ttgttccgag 180
56 atgaaatgat gtgatggagt aagtactagt tcccagcctc tcagatcctg gaaatgggtg 240
57 tcctgcctct ccctctggaa gctccctgaa ggccaggctt tgggtccttc atccaagctt 300
58 ggatgagtat tttaaaagag tctccgtgag ttttgctcat tagccaaaac ggatgctggc 360
59 ctttggaagc ggggcggatg actctgcgtg gaaatattct tctctgagtt tccctcctct 420
60 gcctacttcc tcgtgagttc tatgtggcat ctatttgagg tcaaatctat tgaaatatac 480
61 ttcagcttaa ctctaggtgc cttttagttg agcaccaaga atatactaag tgctatgtaa 540
62 gaaatagata aaggacccag tatggaggag gagaaatacc aagccaagcc tagtactcaa 600
```

RAW SEQUENCE LISTING                      DATE: 05/17/2006
PATENT APPLICATION:  US/10/669,920        TIME: 11:14:00

Input Set : F:\20366-066001.TXT
Output Set: N:\CRF4\05172006\J669920.raw

```
 63 accgcagaca gtgataggga cagccggatc gctttctgta ggcttgaggg tttctgaaat  660
 64 tcttcaggga attgggagct ctttgagctg gactttttta agcgtatgag tgtttggtct  720
 65 ctctctatgc atctgtgtca tgagcatacc tggtacctat ggagaacagg agagggtatc  780
 66 agacaccctg gaactacaga tagttgtcag ttgccatgtg ggtgctggga aacccaccct  840
 67 aggtcctctg caggaacagc aagtgctgaa gggactactg agctgtctct ccagcccctt  900
 68 acgttaaatc ttgaagaacg ggttaaaaga tgacagagcg ggggagaggt accggagaga  960
 69 aaaatgtgtg aaagtagtca gggccttgac ctggaagagt tagagaacaa ggcagatgca 1020
 70 gttggcaggt ccggagcaac agctcctgag tgttcaatgg gccaagttga gaggggcttt 1080
 71 ggatgccatg aaaggttgcc gaggagaagg aagtagagag tgagtccttc agctaccaca 1140
 72 ggggaagggt gggaagggg tgaggagatt tcctaaatgt gcatcattgg ccttctgagg 1200
 73 tcttcagaag acgaccagtg gggtccccaa agggtgagac cagacagaac agacagccac 1260
 74 tattccctac tctgacccc tacctcaaga ggaaaggacg aagagagagc tgagaagaga 1320
 75 ccctgagcct cttcaccaca gcagacagga ccaagtttca gcaggcacca ggacactcag 1380
 76 gtgtctacgt cagtcgctag ctatgcacat gggtaccctg ggcatggaaa gtacagactg 1440
 77 gctttctaac acatcatttt gccgtgagac caatcccagc attccctcta ttgtcctcaa 1500
 78 cagaatcaaa cgtccaagct aaggggcttg ccacctctcc aaaataaagg tcaccttaga 1560
 79 ggtcaagaaa gcattgacac aaaccttggg taagccctaa gactgtaact tgggagttgt 1620
 80 catgacaaca gggcagtaga gccatctcta ctctctccta aatggcacga ggtttagatg 1680
 81 agtaactctg aaagaacaga ccccacccct gtttttcctat ttaccatctt cagacccctc 1740
 82 ctcacctgtg ccccagccct ctcctctagg accttagcaa cttgaacaac atagacacac 1800
 83 acgcctcctc tcagtgtcca acaatgagcc ctcccagcaa aacaggaagc ctcttgctgc 1860
 84 caaggcattg tgcttgccct gtcacgtgtc aggaaaccac taccgtgcca tggcaacagg 1920
 85 tgttgctgag accttagcct tcccgccaac ctgtgccctg cccttctctc tcctccttac 1980
 86 tcctagagag tgtcctcgtt gtgcagtgtc cttgactcac ctggacactg ctgtgagtga 2040
 87 gcgtcctaat taccttaact tggatgagaa gactaattca ccctataagt cagtggccca 2100
 88 gggccagggc ttgggcctta gactgcataa aaaggagaaa gcttgccgac tgcaggtgtt 2160
 89 catctccct tgtttcctgc ctatcagtgc aatgtcacca gccactccaa gccaatgtca 2220
 90 ccaccagcca ccccaagctc ctgctgccat gattccccaa ccaggatgga ctctacgctg 2280
 91 gaactgtgag ctgtattaac gcttctcccc taaattttc ttgtcaaggt gtttcatca 2340
 92 caacagcaga aaaaccaaaa ccaactgaca cttcctcctt gcaactggca gctcacatcg 2400
 93 cttgctcctt tcccatttgg acaccaaaga tctcactgat catcatccaa acacagttct 2460
 94 tcatgctagc caggcaacat aagaatgtac ctgtgtggaa atttagcaag cttcttagct 2520
 95 cttttggatc gcaaaagtct aggtaaggtc tgagatgact ctctctcaaa ttccaatatc 2580
 96 cctaaatgta tgccagacct tcctgtaagg ttgctgagtc ctgaagctaa actgactgtc 2640
 97 ttagttaagg ttagtagtgc taccacacca aaaacaaaac aaacaaacaa aaaaaaaatg 2700
 98 aacaagccag gcgtggtggt gcatgccttt aattccagca ctcgggaggc agaggcaagc 2760
 99 agatttctga gttcaagacc agcctggtct acaaagtgag ttccaggaca gccagggcta 2820
100 cacagagaaa ccctgtctca aaaaaacaaa caaacaaaca aataacagca acaacaacaa 2880
101 aaacatgaac aaaagctatt tggttgggga aggttttatt ggctcacact tccatatcat 2940
102 ggtccattat caaaggaagt cagggcaggc actcaaggca aggcaggaac ctagaggcag 3000
103 gagctgatgc tgaggccatg gaagagtgtt gcttactggc ttgctgagtc tgctttcttt 3060
104 tatcatccat tgttacatgg agattaatca aagttgcatg aaaagaagag agaaggacct 3120
105 cctcagacgc agatggaagc atgtggtcct ttgttaggac tctgaagggc agtggtctct 3180
106 cagaaaaagg ctgtcagcca aggcacaggg ggtttgaggg ttttatagga cagaaaagga 3240
107 agcgtttgtg gttggaaaat tccatctgca gatctgtttc ctcaagtctc agcactgtaa 3300
108 ataccaacgg aggttcttat ccattagtga atttcttgtc aggagaatcc cggctcctaa 3360
109 ctgcctgcag atgttagcag tgtatccctg gtgccatccg gagtttctca gctctcctgg 3420
110 ggcttttagg tcattaaccc ttcacccaag accagcagca gcagcaccgc ccagtgaact 3480
111 agcctcagag actcacccta caggccaatc tgatggacgc attttttctca actgtggttc 3540
```

```
112 cctcttctca aatgactcta gagtgtgtta aattgacata aaactagcca gcacactgat 3600
113 gattctggag tgaaatcaaa aggagcttga agatgagggt ggggacagag gcaagggtat 3660
114 gtcttagact ttactcattg aattgcaagc cgagaaggat tagaagacat cagcagtatc 3720
115 agtggacaag tggcatttga atgccatatg gaagaaggac aataagaagt tcctgcagac 3780
116 ctggttccat ccagaagcct ctgctctgac tcctctcccg ggactcttta ggtcaaggac 3840
117 tttctccagg ggtctcaaga ctttctgtgt tcctttatac taagtttct ttcatcctgt 3900
118 gaacaatcaa gtcatcagtg aggtggttgg gtgacatggc ccataaagat gacttccagg 3960
119 gacctggttc ctgctcacac tctgaaacct ttgctcctgg gcaaaacttc ccctaaagaa 4020
120 caatgacaca cattctcaga gaacagagaa caataagccg tgtgtaacaa catcttccag 4080
121 agagagagaa gcgtggattt agtccttttg ggccacgctc agcatcagca ggagctagct 4140
122 tgacataagg agaaaagccc cttagcttgg agctaaaggt cacatcactt ttaagtctca 4200
123 gtttctacag ccacagaaca gaaagttacc aaacacagca gcctgagggt ttcatgtgag 4260
124 aaggtcatgg agtcccaatc actcactcct taaacttgac tctgtctgca gcccccagct 4320
125 ggccttgaac ttgtggcagt ggagaatgtg cttgaaatac agaagccaaa tagaaacctg 4380
126 gaaatgttac ttgtcactgg ttggaagccc tggaccatgg tggatggaca ctcgattctg 4440
127 agtacctacc cccaggactc cccagagtag atgtttatag ttgctggatg atggtggatg 4500
128 gacagacaga cacggactgg cgcctaagaa aagtctagca tgtcatcacg tactccagca 4560
129 gcccgagagc ttcatgtcaa agacacaaag caaagccatc tcatgtgcca accacaacct 4620
130 agccaatggg cagttatcaa agccagaaat ctggcctaga ggccatagca ctctaaaatg 4680
131 aggccaagtt aaactatgtg gcgctctctg ccctccaaac tgccaacttc agcagccctt 4740
132 ttgaagctga gtcaaactcc tgaccatagc gtttcttttc accactgcct tcctccctca 4800
133 cctggcccac tccctcagct ctctaggtgc cactcttccc ataggagtct tggttggact 4860
134 cctactgtgc ctaagctatg ccaggctgtt ccctagctaa gtcctgcagt gttgtgatgc 4920
135 aatattgtcc tccattattt cctaaatacc atgaaatatt taatatataa agccataaaa 4980
136 agccgggcat ggtggctcac acctttaatc ccagcacttg ggaggcagag gcaggcaaat 5040
137 ttctgagttc aaggccagcc tggtctacag agtgagttcc aggacagcca gggctacaca 5100
138 gagaaaccct gtctcgaaaa aacaacaaca acaataacaa caacaaaaag ccgtaaaaaa 5160
139 taatgcaatg aagactttag ttcatcataa ataaaacatc accttccgag cccttcccaa 5220
140 aattaaggtg agcctgtttg tgggtgccat ttctcttcat attgtttgag agtgattgtg 5280
141 tcttgtcatt tgtctcactt tgtgttcctt ggttttttgg ccacagagtc tcactctgta 5340
142 aaggtggcag atccaagtgt ggcaatcttc ctacctcagc tgctgctgct gctgctgctg 5400
143 ctgctgctgc tgcttcttct tcttcttctt cttcttcttc ttcttcttct tcttcttctt 5460
144 cttcttcttc ttcttcttct tcttcttctt cttctttttc ttcttcttct tcttcatacg 5520
145 gtattctgcc tccatgtata cctgcaggcc agaaaaggac accagatctc attagagatg 5580
146 gttatgagcc accatgtggt tgctgggaat tgaactcagg acctcttcaa gagcagccag 5640
147 tgctttgaat gtctgtgctg tctcttcagc cttcctcctc ctcctcctct tcctcctctt 5700
148 aataatttac ttttatttta tgtacattgg tgttctgact gtatatatga gggtgccagc 5760
149 tcccttggat caggagtcat agacagttgt gagctgccat gtgggtgctg ggaactgaac 5820
150 ccaggtcctt tggaaaaaca gccagtgcgc ttaactgcag agccatctgt ccagcccctg 5880
151 cctcagcttc ttagtgctaa gattacagga cttcatcaga accctctgtt gataagacaa 5940
152 gatccatctt tgtctatctt cttcactgtg gtggactgga tactccctac caccatcacc 6000
153 cacaaagatc atatgctaaa gttatgaccc tacgatggct ggatttgaga ataaagctgt 6060
154 tggggggttgg ttttaatgct ttgaattaat ccagccccca aaatcgggaa actgcatgtc 6120
155 caaacactaa agatccttgt ccccaattgg ttttgatca atcaaaaaag agccaatggc 6180
156 caatggttgg gcaggtagac tgaaacaaga cctttagatt tgctcaggct gggaactggg 6240
157 agagaggaag gagagagcat tgtcgtggtt tggagggaaa cagatcagaa ttagagacgc 6300
158 aaaaggaaaa gcatccgaaa tgtaggagag aaagaattcg ggccctggag aacagctca 6360
159 gaagtgtctt gggcagcaaa gactggggta ggggcaccca gaaggagcca gggcaacaaa 6420
160 gataaaatat agaattagag ggcattaagc caggagtacc aaagggaaat gtgttctagc 6480
```

```
161 cacagggaag attagaactg cccagccttt gagctagtca aagcatattt aaaattaact 6540
162 ggtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgcttcattc ttgaatccag 6600
163 atagctcttg ggcaggtgca tgggtgtgac gaatcgggag cacaaaatga tttagctaac 6660
164 tactgctacg tagagaatct aaggaagtta tttaaattaa atagcactat agagtagggt 6720
165 cctggttcca tggaattggt atgtgagtga cattaccaga aattgaccct actggccttt 6780
166 gccttgggac ttccagcctc tagaaccatg aggaaacata tttctgttgt gtaagacatc 6840
167 cagtccatgg tattttaaga gtccaaacag actactcact ccatgtaagt taagcaaggc 6900
168 caaggatcat gtgtgcttgt ctttggatca atactgtcca tcactatacc taacacataa 6960
169 gtgcatgcca aatatctgtt tgttgaatga atgaatgaat gaatgaatga atgaatgaat 7020
170 gaattagata attactaaaa caaaacatat agggttctgg ggtatgcaag atggtttaat 7080
171 gggtaaaggt gcttgctgac aagcctgaca acctgagttt gatcccagga gtagacctgg 7140
172 tgggaagagg agacttactc ctgcaagatg tcctctgacc tcaacaagca tgctgtgcca 7200
173 catgcctgca cacagctctt tctccctctc ccttccccca cccccattct ctccttcctt 7260
174 ccctcatgcc tcaacatgaa agctctcggc tactgctccc ataccttgtt tgcctgcctg 7320
175 cctcctgcca tgccatcatc caccatgatg gatgtgaact catcctctga aactgtaagc 7380
176 aagcctacaa ttaaatgctt tcttatataa gttaccttgg tcttgccatc tgttcacagg 7440
177 aataaaaaac taaatacaac aaattataca tgcccccccc aaaaaccctt gtaaatgaat 7500
178 atttatagca acaatactca tgataactaa atagtagaaa caatccaaat agccaactaa 7560
179 tagtagataa aacaaatgtg gtatatccac acaatggaat attattcagc cacagaaagg 7620
180 agtggagagt tgaaacatac tccatataga tgaacctaat taaaagaaga tagatatgaa 7680
181 ggtaacattg tgtctattta tgtgcattaa tcaacagaag caaatctaca gaaagaaagt 7740
182 aggtctgcgg ctcagagcag ttatgtgcac aggtggaaag gacatgggaa tcatcggaaa 7800
183 taatggctga ggagatctga ctaaaaatga ttcaaagttt accgtggcga ataaacgccg 7860
184 tgactatata aacaccacag aaatgtctac tttaaaagag gaaatgtggg gacgggagag 7920
185 atggcgcaac agttaaggac acttgatgct cttgctgagg atccaggctc agttcccagc 7980
186 acccacacat cagctcacaa ggcctgtaac tccagttcca gaggatctga cgccgtcttc 8040
187 tgacctccac gggctgtagg cacacaggtg gtacacagaa aggcactcag gcaaatgctc 8100
188 atacacataa aataaaaatc aatgaatcgt tttcaaaggt gaatttagat atgaactata 8160
189 gctaactaga gctgttgtct tttaaaagaa aggaaggaaa cacagatgaa ttcctttctt 8220
190 tcaaccttcc attacctgtc agtataacct catggccaat tctctccaga agctagaggg 8280
191 aaagtcgtcc gggaaatgta gtccctgtat gcagagcaga gcaagggtat caagtgagtg 8340
192 cctaaagggt tatgttgtca tggcaactgt tttaactatt tatttatctt atgtatatga 8400
193 gtacactgtc actctcttca gacacaccag aagagggcat cgggtcccat tacagatggt 8460
194 tgtgagccaa cgcgtggttg ctggggattg aactcaggac ctctggagga gcagtcagtg 8520
195 ctcttaccca ctgagccatc tctccagccc cctgtttta actagttaat acagaagaag 8580
196 ggctaagtca ttctgagctc tgtgtcgggt cctgtcgctc actgaattgt ctacaatcag 8640
197 tggctagaga taaaaaaatt tacaggtgtc tctcctggaa atggaacatt tagatatttg 8700
198 ctctagaact caatggccac ccacagtccc cacatgatct ctatgcttgt tttaaaccca 8760
199 ctccttggac tggggaggtg gcttagtagc taacagagaa ttgccccaca aacacgagga 8820
200 actgagtcca aatcccagaa ccctcataag cagcttggca gtagcatgag cattcgtcat 8880
201 cctagcagtc ccccaaggag atgggaagca gagacaagag accacgcacc cagaaggcca 8940
202 gctcacctta gtatagaatg gggcactcaa taaagacgtg atacctgcaa cagaatggaa 9000
203 gtaggctgac acctgacatt gtctctgatc ttcacacgtg caatggcata aaatccccac 9060
204 attcacgcat acgatcgcac acatacacgt gtgtacacac accatacaca ccacacaggc 9120
205 acaacaatta aaaatgccaa taaatatatc aatcagtttc cctgtggggg aaaatgggtg 9180
206 tggtcacaaa gaataaaaaa agtaaaataa aaataggcca ggcatggtgg catatgtctt 9240
207 taataccagc actcgggagg cagatgcagg tagatctcca tgggttcgag gctagctagg 9300
208 tccacagaac aagttctagg acaatcatgg cactgacaaa aataaaataa aataaaataa 9360
209 aataaaataa aataaataaa taaataaata aataaataaa taaataaatc tcttcttggg 9420
```

RAW SEQUENCE LISTING                    DATE: 05/17/2006
PATENT APPLICATION:  US/10/669,920     TIME: 11:14:00

     Input Set :  F:\20366-066001.TXT
     Output Set:  N:\CRF4\05172006\J669920.raw

```
210 gaaccagttt ggataatgac ttagacttga tgtcctctcg gttagtagag aaagccgagg 9480
211 ggctccaggc accctcatat ctagcatcta ggtcctgtga tgtttagctt aagtactaaa 9540
212 aataaacact caaactttca cttcgtggtt gtgtcactga agccttgctg gccggaccgt 9600
213 tcaacagacc tcaccctggc tgcgcaggtg tatgtcgggg ctgcctggcg gctgctggga 9660
214 caatagccac tgatcaagtt catactgaaa gggagacttt tattcaaaac caagagaagg 9720
215 atgcaagtac acctctgact cccgagcctc agcctatctc accccacagc agccacccag 9780
216 gcgtgcttgg cactcacaga tgtaagcagc tcctccctga gtctctacaa ggcactacta 9840
217 ccaggggctt tctgaaggca aacgactcag tgattcagga tcctatgaca gccgaatgtg 9900
218 gttatcacat accttgtggc ccaggaagac tctgaggggt gggacaggag tgggaggggc 9960
219 tctggaacaa cttaaaaggg gctcttacca cttcctccct gccagagagg gctagctgga 10020
220 gagagacaag aaccaaaagc acagccttcc tgtgtgattt ctacagcccc cagagcacca 10080
221 tggacccagg taagtaagct ttctcttaag agaagtcaaa acttctgaca caaagccaga 10140
222 ctctagggca atgaacatgc atggggggata ggggtcatgg gggggggggg gagtttccag 10200
223 agcaatcagg gcagttggtg tgaactggtg gctgctttca gagaatgcca tcccgttgga 10260
224 tgaggcattg gagagaggat gtacctgctc tttcagaccc aggggaagga acagctgtgg 10320
225 atgccaagac agacacaggc ataaagttgg gtcctctcaa gcagcaggca atgaacagcc 10380
226 tggtagactg accttgatgc ctggatagaa cacgttctca gctggtaggg atgggtgatg 10440
227 ttctctggca cctctgggga ctaagaaaat tctctttaga gagttcagga caccctgctc 10500
228 ccactctggg tccctccttt ctgtcctgtt aaaccaggat ttgaatctcc ttgctcacga 10560
229 gaagagtgaa actgatggaa actgtgctgt gcatagtgca atacaaatac tagctgccac 10620
230 ctctgcctct tgttgtctct gcctgtcatc tgtctgtctg tctctgtctg tcttcctccc 10680
231 tcccttcctc cctcctacac atcccaggtt ttgtgcctct tgcaggttaa agggtgaatg 10740
232 actaacataa aattgagtgg cccaggggc actccacgta gagaaactgt agccagcaca 10800
233 gcacagcccc taaaacaaag cccacacacc acagccctct ctataacaag ctattctacc 10860
234 aggcaagcct cagtgtctac tatagcaaag tgccaggggg agtccagctc cagacacccc 10920
235 agttacacat cttaaatctc ggctgcagag tcagactcgg ctggggctgg aggggccaag 10980
236 ttcctagagt tccgctcacc agcctcaaag ccacaagggg ttgactttaa aaagtgaagg 11040
237 ttccctggtg ctgtcctcac accccctcca agccacacca cagccagcag catctttatc 11100
238 tgtctctcct gcccagcgtg cattgcaccc tagatctaga tccagctgtg gaaggtatat 11160
239 agtggggtcc acctctgctg gctatgaact catgggaagc aggattttgt tcttacacct 11220
240 ctgcctctca gatgttttgg gtgtaagtaa aaagtgttga tgggagggag ggagagaggg 11280
241 atggaggaat ggatggatgg atggatggat ggatggatgg atggatggat ggatgtgtgg 11340
242 atggatggat ggatagaatc agcctctcta agtatatttt agaaagcaaa tatctattcc 11400
243 agcttctcct cccacctgcc tgctttctaa gcctacacct caggtatcta cctccaccag 11460
244 ccatagtctc agagaaccca caccatccac caaagatctt ctccaccttc ctaaaatgtg 11520
245 gctcccagaa tagggaaagg ttctaaattt acagcatttg ccaatttcca tggtgtaaat 11580
246 tttaccatcc caattgacct tagtcggtcc cattaaaggt ctaaatgttt tgacacaaaa 11640
247 aggagacaga cacctgcctt ccttggcact tgggacacta tagagtctct cctgaactag 11700
248 gtttggggat gctaaatgca tggctttgat acaggggggtg gggcaaactc tggtcctgga 11760
249 agaagagata gtcttgcttt tttactcaac ttaagaagca ccctaatagc taactctgaa 11820
250 atgctggtgt gaggggaaac tgcttaagaa gttttgctca aaacaggctc cggcgccgtt 11880
251 ggaagggcgg gtgggccaca aactatctgt ttttcactct ttgtctacct agtagggaca 11940
252 ggaggtgggt gagaaggcct aggtttctgt tatacaaaat gagaaactac aaaccagggc 12000
253 tgagctggcc tctttcatga tttgaatgag cagccctgat atacccttcc taacttcaag 12060
254 acatgggacc acagatctca gcacaacatc tcaaaatcag agaaggggag ggggtgacaa 12120
255 atgaacccat aagagacttg tgtctcacag ctcagctgta gatggcagta gaagagaatt 12180
256 cagggtcatt ctcttgtggc cctccagaaa cctggctgtg agaacactg gagcccagag 12240
257 tagctaggaa aaaacgctcc tctgtgtggt attgtcttcc agtcatgtgt cactcattga 12300
258 gaacttcttg aatacagagt ctggtgggga acgtaacatg tatgtcaaca cgcaacacca 12360
```